**Practical 7**

**AIM:** Interfacing of the Active Buzzer with Arduino.

int buzzer = 9; //the pin of the active buzzer

void setup()

{

pinMode (buzzer,OUTPUT); //initialize the buzzer pin as an output

}

void loop(){

unsigned char i;

while(1){

//output a frequency

for(i=0;i<80;i++)

{

digitalWrite(buzzer,HIGH);

delay(1); //wait for 1ms

digitalWrite(buzzer,LOW);

delay(1); //wait for 1ms

}

//output another frequency

for(i=0;i<100;i++){

digitalWrite(buzzer,HIGH);

delay(2); //wait for 2ms

digitalWrite(buzzer,LOW);

delay(2); //wait for 2ms

}

}}

**OUTPUT:**

